MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

November 1948

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon

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WEATHER BUREAU

NOVEMBER 1948

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	63.5	62.7	63.1	63.1	27.7	20.6	24.4	25.5	21.7	23.9
2	2.1	2.5	2.6	2.4	26.5	21.6	23.8	24.9	21.6	23.4
3	1.7	0.3	0.3	0.8	28.2	23.2	26.6	27.1	26.4	26.7
4	0.9	0.6	1.9	1.1	27.0	19.2	25.4	25.6	22.6	24.5
5	3.3	2.4	3.3	3.0	24.0	18.8	22.0	23.3	21.1	22.1
6	64.5	63.1	63.5	63.7	24.4	17.9	21.6	23.8	20.5	22.0
7	3.0	1.6	2.4	2.3	24.2	18.2	21.6	23.3	19.4	21.4
8	4.2	3.2	4.2	3.9	23.2	18.3	21.2	22.7	19.4	21.1
9	4.7	3.7	4.1	4.2	24.8	21.1	24.4	23.3	21.4	23.0
10	4.6	3.0	2.7	3.4	26.3	22.4	24.7	25.0	23.0	24.2
11	62.2	61.0	61.4	61.5	28.2	19.7	24.9	24.9	21.7	23.8
12	1.7	0.3	0.6	0.9	24.9	20.2	22.7	24.2	22.2	23.0
13	0.7	59.4	59.0	59.7	23.2	16.7	22.2	22.9	20.7	21.9
14	57.4	9.0	62.9	9.8	20.3	12.4	20.2	15.5	14.9	16.9
15	66.5	66.1	7.0	66.5	15.2	11.3	13.5	14.9	12.7	13.7
16	67.1	65.6	65.8	66.2	17.4	14.2	14.4	16.8	14.9	15.4
17	6.2	5.7	6.4	6.1	21.0	15.3	17.3	19.9	17.6	18.3
18	7.4	6.5	6.8	6.9	21.2	15.0	18.8	19.9	17.4	18.7
19	6.2	4.8	4.6	5.2	21.1	15.1	18.2	20.7	17.1	18.7
20	3.8	1.7	1.9	2.5	21.7	16.0	18.2	20.5	18.8	19.2
21	60.5	58.7	59.0	59.4	22.2	16.8	18.7	21.4	17.7	19.3
22	59.2	8.9	60.0	9.4	22.2	15.7	19.3	21.2	17.0	19.2
23	61.5	60.8	2.0	61.4	21.1	15.0	18.3	20.5	16.7	18.5
24	2.3	1.4	1.6	1.8	19.3	12.9	14.9	18.7	15.6	16.4
25	0.9	59.1	58.9	59.6	18.0	13.7	15.2	15.2	15.4	15.3
26	56.4	58.5	61.9	58.9	16.5	10.6	16.3	15.3	12.2	14.6
27	63.8	63.8	5.1	64.2	15.3	8.3	13.1	13.8	9.9	12.3
28	5.9	5.2	6.4	5.8	13.7	8.8	8.8	13.3	10.4	10.8
29	8.9	8.1	8.7	8.6	15.1	11.1	13.4	14.1	12.1	13.2
30	7.7	6.2	5.7	6.5	17.4	13.2	13.4	16.7	14.7	14.9
31										
	63.29	62.46	63.13	62.96	22.04	16.11	19.25	20.50	17.89	19.21

Barometer, range for month 768.9 — 756.4 mm.

„ 71-yr. average for month 762.63 mm.

Thermometer, range for month 28.2°C — 8.3°C

„ 71-yr. average for month 19.85°C.

Rain, total for month 178.31 mm.

„ 71-yrs. average for month 132.61 mm.

„ Tolal, Sept. 1st. to end of month 213.77 mm.

„ 71-yr. average, Sept. 1st. to end of month 188.82 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	25.0	28.3	19.0	24.1	70	86	73	76	9.1	71.0	
2	25.5	29.5	24.4	26.5	86	93	94	91	9.3	254.0	
3	21.3	24.2	16.7	20.7	60	66	49	58	4.5	291.0	
4	22.8	31.5	27.0	27.1	69	96	97	87	9.5	163.0	
5	24.2	25.9	24.0	24.7	89	90	96	92	8.0	183.0	
6	22.9	25.5	21.5	23.3	84	86	89	86	7.9	237.0	
7	21.6	23.9	20 5	22.0	88	83	90	84	8.1	238.0	2.54
8	21.9	23.7	21.4	22.3	86	85	94	88	9.8	68.0	
9	20.5	24.1	20.6	21.7	67	84	79	77	9.7	253.0	
10	21.7	22.9	21.4	22.0	71	72	78	74	9.3	248.0	
11	20.7	29.5	21.4	23.9	64	93	82	80	9.4	175.0	
12	22.4	28.2	25.2	25.3	80	92	94	89	7.8	428.0	
13	22.9	23.1	22.3	22.8	84	83	93	87	2.8	604.0	3.05
14	20.3	15.6	10.9	15.6	87	88	63	79	3.3	1072.0	6.61
15	10.1	11.2	11.0	10.8	65	65	74	68	9.6	264.0	
16	12.5	12.4	13.0	12.6	76	66	76	73	8.5	182.0	
17	13.7	16.0	15.0	14.9	71	68	74	71	9.0	293.0	
18	15.5	16.0	14 8	15.4	71	68	76	72	9.2	283.0	
19	13.3	18.7	15.3	15.8	64	78	77	73	9.1	48.0	
20	14.4	17.0	16.1	15.8	68	69	74	70	9.2	47.0	
21	16.1	19.0	16.0	17.0	75	72	78	75	9.2	182.0	
22	17.9	19.5	16.3	17.9	78	78	82	79	5.3	430.0	0.25
23	18.2	19.9	17.0	18.4	86	82	86	85	5.7	492.0	0.25
24	17.7	17.6	15.6	17.0	99	80	88	89	2.6	589.0	17.02
25	15.0	17.1	17.7	16.6	86	100	100	95	0.0	872.0	39.37
26	17.2	14.0	12.3	14.6	95	79	87	87	1.0	792.0	63.24
27	13.4	11.9	12.3	12.5	87	75	100	87	1.4	565.0	14.48
28	11.4	13.8	12.7	12.6	99	90	99	96	0.2	240.0	29.21
29	13.8	13.6	13.2	13.6	90	85	92	89	5.7	227.0	2.29
30	12.9	15.4	14.1	14.1	85	81	85	84	9.2	219.0	
31											
	18.23	20.30	17.62	18.72	79.1	81.1	83.9	81.4	6.78	332.16	5.94

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T.

71year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8.30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	1sw	1nw	0	calm	
2	0	6ci	0	2.0	0	1sw	0	light	
3	5ci	8ci	9cist	7.3	0	0	0	calm	
4	4ci	4ci-cu	7cu-ci	5.0	2sw	1w	0	light	
5	0	2cu-ci	5cu	2.3	1sw	1nw	0	calm	
6	8ci	0	7cu	5.0	0	0	0	calm	
7	8cu-ni	2cu	0	3.3	0	1sw	0	light	
8	1cu	0	0	0.3	0	1nw	0	„	
9	0	0	0	0.0	1sw	1ne	1n	„	
10	0	5ci	0	1.7	0	1s	0	„	
11	0	0	5cu-ci	1.7	1s	1nw	0	light	
12	0	0	7cu	2.3	1sw	1w	1sw	„	
13	8cu-ni	8cu-ni	5cu	7.0	2sw	2sw	2sw	slight	
14	9cu-ni	10cu-ni	4cu	7.7	5sw	6sw	4n	rough	Th. ; W.
15	1cu	0	2cu	1.0	2ne	1ne	0	mod.	Snow appearing on mountaines
16	0	0	7cu	2.3	1s	1n	0	slight	
17	0	0	0	0.0	1se	1n	0	„	
18	0	0	0	0.0	0	2n	0	„	
19	0	0	0	0.0	0	1nw	1nw	light	
20	0	0	0	0.0	0	0	0	„	
21	0	0	2ci	0.7	0	1nw	1nw	light	
22	0	5cu-ni	0	1.7	0	2sw	1sw	„	
23	5cu	5cu	1cu	3.7	2sw	2sw	0	„	
24	9cu-ni	10cu-ni	2cu	7.0	1s	3sw	2sw	slight	
25	10cu-ni	10ni	10ni	10.0	1sw	3sw	4sw	„	Th. p.m.
26	9cu-ni	10cu-ni	10cu-ni	9.7	4w	5w	5w	rough	W.
27	8cu-ni	8cu-ni	10cu-ni	8.7	6w	5sw	4sw	„	W.
28	10cu-ni	9cu	8cu-ni	9.0	2se	1s	1s	slight	
29	7cu	3cu	1cu	3.7	1s	1e	1e	„	
30	3ci	0	0	1.0	1e	1ne	1ne	light	
31									
				3.47					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew. W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	1	1	2	4	9	2	0	11	30
14:30	3	3	1	0	2	9	3	6	3	30
20:30	2	1	1	0	1	6	1	2	16	30
Total	5	5	3	2	7	24	6	8	30	90

Number of days with rain 11, fog 0, thunderstorms 2, gale 0.

71 yr. av. number of days with rain during month 9.4